List of Approved Courses for the M.Sc. or Ph.D. Degree in Oncology 2006/2007

ANAT 601 Medical Neuroanatomy
*4 (fi 8) (spring term/summer, 3-0-3).

ANAT 603 Medical Histology
*3 (fi 6) (spring term/summer, 0-3s-1).

ANAT 604 Medical Embryology
*3 (fi 6) (fall term, 3-0-1).

ANAT 606 Selected Topics in Advanced Human Anatomy
*3 (fi 6) (either term, 0-0-3).

BIOCH 510 Signal Transduction and Metabolic Regulation
*3 (fi 6) (second term, 3-0-0).

BIOCH 520 Protein Chemistry, Structure and Function
*3 (fi 6) (second term, 3-0-0).

BIOCH 530 Biochemistry of Eukaryotic Gene Expression
*3 (fi 6) (first term, 3-0-0).

BIOCH 541 Structure and Function of Biological Membranes
*3 (fi 6) (first term, 3-0-0).

BIOCH 550 The Molecular Biology of Mammalian Viruses
*3 (fi 6) (first term, 3-0-0).

BIOCH 555 Biochemistry of Lipids and Lipoproteins
*3 (fi 6) (first term, 3-0-0).

BIOCH 560 Physical Biochemistry
*3 (fi 6) (second term, 3-0-0).

BIOCH 655 Advances in Lipid and Lipoprotein Research
*3 (fi 6) (second term, 1-2s-0).

BIOCH 675 Magnetic Resonance in Biology and Medicine II
*3 (fi 6) (second term, 3-0-0).

BME 513 Imaging Methods in Medicine
*3 (fi 6) (second term, 3-0-0).

BME 529 Statistics for Biomedical Engineering
*3 (fi 6) (second term, 3-0-0).

BME 530 Topics in Biomedical Engineering
*3 (fi 6) (either term, 3-0-0).

BME 541 Biomaterials in Medicine
*3 (fi 6) (first term, 3-0-0).

BME 553 Rehabilitation Engineering: Assisted Movement After Injury
*3 (fi 6) (second term, 3-0-3/2).

BME 555 Anatomy and Physiology for Engineers
*3 (fi 6) (second term, 3-0-0).

BME 564 Fundamentals of Magnetic Resonance Imaging, MRI
*3 (fi 6) (second term, 3-0-0).

BME 579 Topics in Medical Physics
*3 (fi 6) (either term, 3-0-0).

BME 630 Advanced Topics in Biomedical Engineering
*3 (fi 6) (either term, 3-0-0).

BME 675 Magnetic Resonance in Biology and Medicine
*3 (fi 6) (first term, 3-0-0).

BME 679 Advanced Topics in Medical Physics
*3 (fi 6) (either term, 3-0-0).

CELL 502 The Birth and Death of a Cell
*3 (fi 6) (second term, 3-0-0).

CELL 515 Developmental and Molecular Neurobiology
*3 (fi 6) (first term, 0-2s-0).

CELL 614 Molecular Mechanisms of Cellular Regulation
*3 (fi 6) (first term, 0-4s-0).

DENT 532 Growth and Development
*2 (fi 4) (second term, 2-0-0)

DENT 551 Introduction to Applied Statistics
*3 (fi 6) (either term, 39 hours)

EEBE 512 Biophysical Measurement and Instrumentation
*3 (fi 6) (first term, 3-0-0).

EEBE 540 Digital Computer Processing of Images
*3 (fi 6) (either term, 3-0-3/2).

GENET 500 Advanced Genetic Analysis I: The Genetic System
*3 (fi 6) (first term, 3-3s-0).

GENET 508 Graduate Course in Replication, Repair and Recombination
*3 (fi 6) (first term, 3-1s-0).

GENET 510 Advanced Topics in Gene Regulation, Development and Medical Genetics
*3 (fi 6) (second term, 3-3s-0).

GENET 512 Graduate Course in Genetic Control of Development
*3 (fi 6) (first term, 3-1s-0).

GENET 518 Graduate Course in Human Genetics
*3 (fi 6) (second term, 3-1s-0).

INT D 570 Healthcare Ethics
*3 (fi 6) (either term, 0-3s-0).

LABMP 500 Introduction to Human Disease
*3 (fi 6) (either term, 3-0-0).

LABMP 510 Cryobiology I
*3 (fi 6) (first term, 2-1s-0).

LABMP 511 Cryobiology II
*3 (fi 6) (second term, 2-1s-0).

MDGEN 601 Selected Topics in Medical Genetics
*3 (fi 6) (second term, 0-3s-0).

MDGEN 604 Statistical Methods in Medical Genetics
*3 (fi 6) (first term, 3-0-0 in 8 weeks). (offered in alternate years and next available in 2006/07)

MED 501 Clinical Pulmonary Physiology
*3 (fi 6) (second term, 2-0-0).

MED 575 Nutrition and Metabolism
*3 (fi 6) (two term, 1-1s-0).

MMI 520 Bacterial Plasmids
*3 (fi 6) (first term, 3-0-0).

ONCOL 520 Tumor Biology
*3 (fi 6) (second term, 3-0-0).

ONCOL 521 Structural Organization of the Cell and Cancer
*3 (fi 6) (second term, 0-3s-0).

ONCOL 535 Clinical Radiobiology
*1.5 (fi 3) (either term, 1.5-0-0).

ONCOL 552 Fundamentals of Applied Dosimetry
*3 (fi 6) (second term, 3-0-0).

ONCOL 556 Laboratory in Imaging
*2 (fi 4) (Spring/Summer, 0-0-4).

ONCOL 558 Health Physics
*2 (fi 4) (first term, 2-0-0).

ONCOL 560 Technology In Radiation Oncology
*2 (fi 4) (first term, 2-0-0).

ONCOL 562 Theory of Medical Imaging
*3 (fi 6) (first term, 3-0-0).

ONCOL 564 Physics of Nuclear Medicine
*3 (fi 6) (second term, 3-0-0).

ONCOL 566 Radiation Biophysics
*3 (fi 6) (first term, 3-0-0).

ONCOL 570 Directed Reading in Experimental Oncology
*3 (fi 6) (either term, 0-3s-0).

ONCOL 620 Recent Advances in Cancer Research
*3 (fi 6) (two term, 0-3s-0).

ONCOL 660 Current Topics in Cancer Research
*2 (fi 4) (second term, 0-1.5s-0).

ONCOL 661 Current Topics in Cancer Research II
*1 (fi 2) (first term, 0-1s-0).

OPHTH 601 Ocular Genetics
*3 (fi 6) (either term, 3-0-0).

PHARM 626 Applications of Mass Spectrometry to Medicinal and Pharmaceutical Chemistry
*3 (fi 6) (either term, 3-0-0).

PHARM 630 The Metabolism and Excretion of Drugs
*3 (fi 6) (either term, 3-0-0).

PHS 596 Epidemiology Methods I
*3 (fi 6) (first term, 3-0-0).

PHS 598 Biostatistics I
*3 (fi 6) (either term, 3-0-0).

PHS 696 Epidemiology of Methods II
*3 (fi 6) (second term, 3-0-0).

PHS 698 Biostatistics II
*3 (fi 6) (second term, 3-0-0).

PHYSL 501 Topics in Cardiovascular Physiology
*3 (fi 6) (second term, 3-0-0).

PHYSL 512 Physiology of the Respiratory System
*3 (fi 6) (first term, 3-1s-0).

PHYSL 513 Fetal Physiology
*3 (fi 6) (second term, 3-0-0).

PHSYL 545 Physiology of Transport Systems
*3 (fi 6) (second term, 3-1s-0).

PMCOL 505 Cancer Chemotherapy
*3 (fi 6) (either term, 3-0-0).

PMCOL 508 Molecular Pharmacology
*3 (fi 6) (either term, 3-0-0).

PMCOL 512 Pharmacology of the Synapse
*3 (fi 6) (either term, 3-0-0).

PMCOL 514 Biophysical Aspects of Ion Channel Pharmacology
*3 (fi 6) (either term, 3-0-0).

PMCOL 515 Advanced Topics in Cardiovascular Pharmacology
*3 (fi 6) (either term, 3-0-0).

PSYCO 604 Topics in Quantitative Methods
*3 (fi 6) (either term, 3-0-0).

RADDI 511 Physics of Diagnostic Imaging: Fundamentals
*3 (fi 6) (two term, 2-0-1).

RADDI 512 Physics of Diagnostic Imaging: Imaging Modalities
*3 (fi 6) (two term, 2-0-0).

RADDI 600 Special Topics in Radiology Research
*2 (fi 4) (second term, 2-0s-0).